AUTODOC CLUB

# How to change rear brake discs on **MERCEDES-BENZ VITO / MIXTO Box (W639)** – replacement guide

## SIMILAR VIDEO TUTORIAL

This video shows the replacement procedure of a similar car part on another vehicle

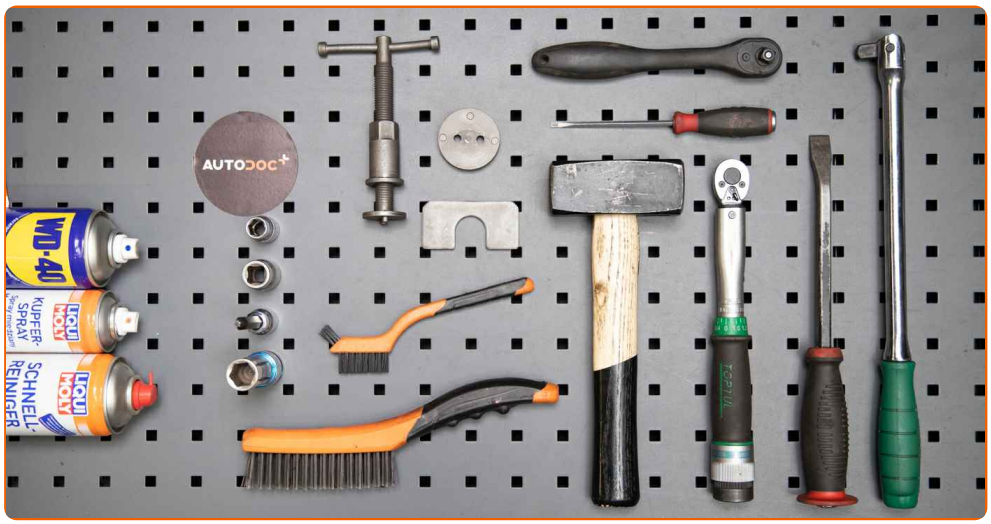
### Important!

This replacement procedure can be used for:
MERCEDES-BENZ VITO / MIXTO Box (W639) 110 CDI (639.601, 639.603, 639.605), MERCEDES-BENZ VITO / MIXTO Box (W639) 113 CDI (639.601, 639.603, 639.605), MERCEDES-BENZ VITO / MIXTO Box (W639) 116 CDI (639.601, 639.603, 639.605), MERCEDES-BENZ VITO / MIXTO Box (W639) 122 CDI (639.601, 639.603, 639.605), MERCEDES-BENZ VITO / MIXTO Box (W639) 115 CDI (639.601, 639.603, 639.605), MERCEDES-BENZ VITO / MIXTO Box (W639) 111 CDI (639.601, 639.603, 639.605), MERCEDES-BENZ VITO / MIXTO Box (W639) 119 (639.601, 639.603, 639.605), MERCEDES-BENZ VITO / MIXTO Box (W639) 122 (639.601, 639.603, 639.605), MERCEDES-BENZ VITO / MIXTO Box (W639) 109 CDI (639.601, 639.603, 639.605), MERCEDES-BENZ VITO / MIXTO Box (W639) 111 CDI (639.601, 639.603), MERCEDES-BENZ VITO / MIXTO Box (W639) 120 CDI (639.601, 639.603, 639.605), MERCEDES-BENZ VITO / MIXTO Box (W639) 111 CDI 4x4 (639.601, 639.603, 639.605), MERCEDES-BENZ VITO / MIXTO Box (W639) 115 CDI 4x4 (639.601, 639.603, 639.605), MERCEDES-BENZ VITO / MIXTO Box (W639) 126 (639.601, 639.603, 639.605), MERCEDES-BENZ VITO / MIXTO Box (W639) 123 (639.601), (+ 4)

The steps may slightly vary depending on the car design.

Please note that this tutorial was created based on the replacement procedure for this car part on a car with a similar design.
This tutorial was created based on the replacement procedure for a similar car part on: MERCEDES-BENZ VITO Bus (W639) 115 CDI (639.701, 639.703, 639.705)

# REPLACEMENT: BRAKE DISCS – MERCEDES-BENZ VITO / MIXTO BOX (W639). TOOLS YOU MIGHT NEED:




- Wire brush
- Nylon cleaning brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Torque wrench
- Torx bit T30
- Drive socket # 12
- Drive socket # 18
- Wheel impact socket #17
- Brake caliper wind back tool
- Ratchet wrench
- Tap wrench
- Flat Screwdriver
- Hammer
- Crow bar
- Wheel chock

Buy tools

Replacement: brake discs – MERCEDES-BENZ VITO / MIXTO Box (W639). AUTODOC recommends:

- The replacement procedure is identical for both brake disks on the same axle.
- Replace the brake disks on the car MERCEDES-BENZ VITO / MIXTO Box (W639) in complete set for each axis. Regardless of the state of components. This will ensure even braking.
- When changing the brake discs, always replace the brake pads.
- All work should be done with the engine stopped.

# REPLACEMENT: BRAKE DISCS – MERCEDES-BENZ VITO / MIXTO BOX (W639). TAKE THE FOLLOWING STEPS:

1 Open the bonnet. Unscrew the brake fluid reservoir cap.

2 Secure the wheels with chocks.

3 Loosen the wheel mounting bolts. Use wheel impact socket #17.

4 Raise the rear of the car and secure on supports.

5 Unscrew the wheel bolts.

## Replacement: brake discs – MERCEDES-BENZ VITO / MIXTO Box (W639). Professionals recommend:

- To avoid injury, hold up the wheel when unscrewing the bolts.

6 Remove the wheel.

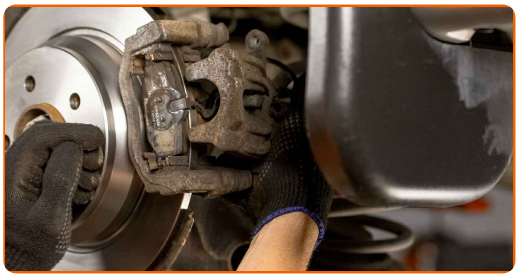
**7** Clean the brake caliper fasteners. Use a wire brush. Use WD-40 spray.

**8** Unscrew the brake caliper fastening. Use a drive socket #12. Use a ratchet wrench.

**9** Spread the brake pads. Use a crowbar.

**10** Remove the guide pins from the brake caliper.

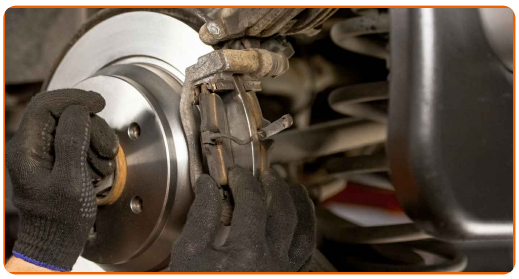
**11** Remove the brake caliper.



## Replacement: brake discs – MERCEDES-BENZ VITO / MIXTO Box (W639). AUTODOC recommends:

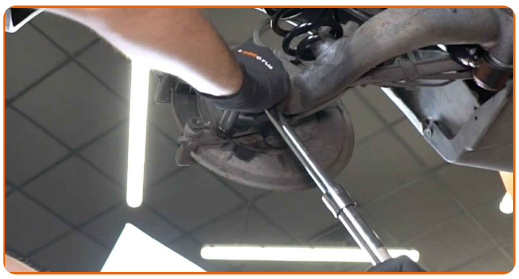
- Tie the caliper to the suspension or to the body with a wire without disconnecting from the brake hose to prevent depressurization of the brake system.
- Make sure that the brake caliper is not hanging on the brake hose.
- Don't press the brake pedal after the brake caliper has been removed. As a result, the piston can fall out from the brake cylinder, and brake fluid leakage and depressurization of the system may occur.
- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.

**12** Remove the brake pads.



**13** Clean the brake caliper bracket fasteners. Use a wire brush. Use WD-40 spray.

**14** Unscrew the caliper bracket fastening. Use a drive socket #18. Use a ratchet wrench. Use a tap wrench.



**15** Remove the caliper bracket.

**16** Clean the brake disc fastener. Use a wire brush. Use WD-40 spray.

**17** Unscrew the brake disc fastening. Use Torx T30. Use a ratchet wrench.

**18** Remove the brake disc. Use a hammer.

**19** Clean the hub. Use a wire brush. Treat the contacting surface. Use copper grease.

**20** Install the brake disc.

**21** Tighten the brake disc fastening. Use Torx T30. Use a torque wrench. Tighten it to 18 Nm torque.

**22** Move the parking brake shoes against the drum. Use a flat screwdriver.

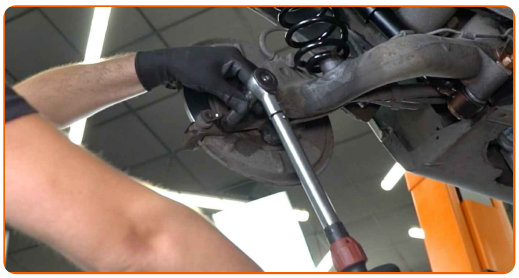
**23** Clean the brake caliper bracket from dirt and dust. Use a wire brush. Use a brake cleaner.

## Replacement: brake discs – MERCEDES-BENZ VITO / MIXTO Box (W639). Professionals recommend:

- After applying the spray, wait a few minutes.

**24** Install the brake caliper bracket.

**25** Tighten the brake caliper bracket. Use a drive socket #18. Use a torque wrench. Tighten it to 106 Nm torque.



**26** Install the brake pads.

**27** Treat the brake caliper piston. Use a nylon cleaning brush. Use a brake cleaner.

## Replacement: brake discs – MERCEDES-BENZ VITO / MIXTO Box (W639). Tip:

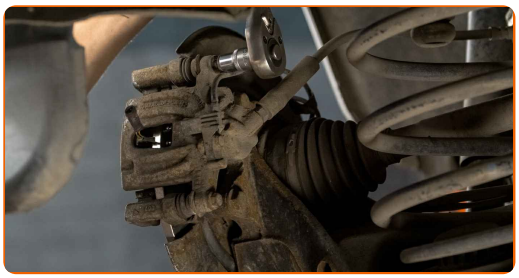
- After applying the spray, wait a few minutes.

**28** Press in the brake caliper piston. Use brake caliper wind back tool.

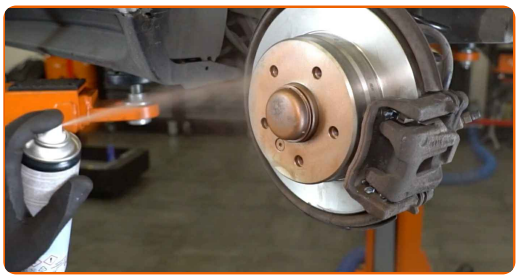
**29** Install the brake caliper and fix it.

**30** Screw in the guide pins.

**31** Tighten the brake caliper fasteners. Use a drive socket #12. Use a torque wrench. Tighten it to 32 Nm torque.



**32** Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



**33** Clean the brake disk surface. Use a brake cleaner.

## Replacement: brake discs – MERCEDES-BENZ VITO / MIXTO Box (W639). Tip from AUTODOC experts:

- After applying the spray, wait a few minutes.

**34** Install the wheel.

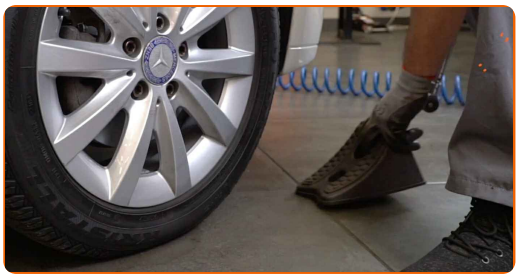
## AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. MERCEDES-BENZ VITO / MIXTO Box (W639)

**35** Screw in the wheel bolts. Use wheel impact socket #17.

**36** Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 130 Nm torque.

**37** Remove the jacks and chocks.



## Replacement: brake discs – MERCEDES-BENZ VITO / MIXTO Box (W639). Tip:

- Check the brake fluid level in the expansion tank and refill if necessary.

**38** Tighten the brake fluid reservoir cap. Close the hood.

AUTODOC recommends:

- MERCEDES-BENZ VITO / MIXTO Box (W639) – Without starting the engine, press the brake pedal several times until it feels firm.

## WELL DONE!

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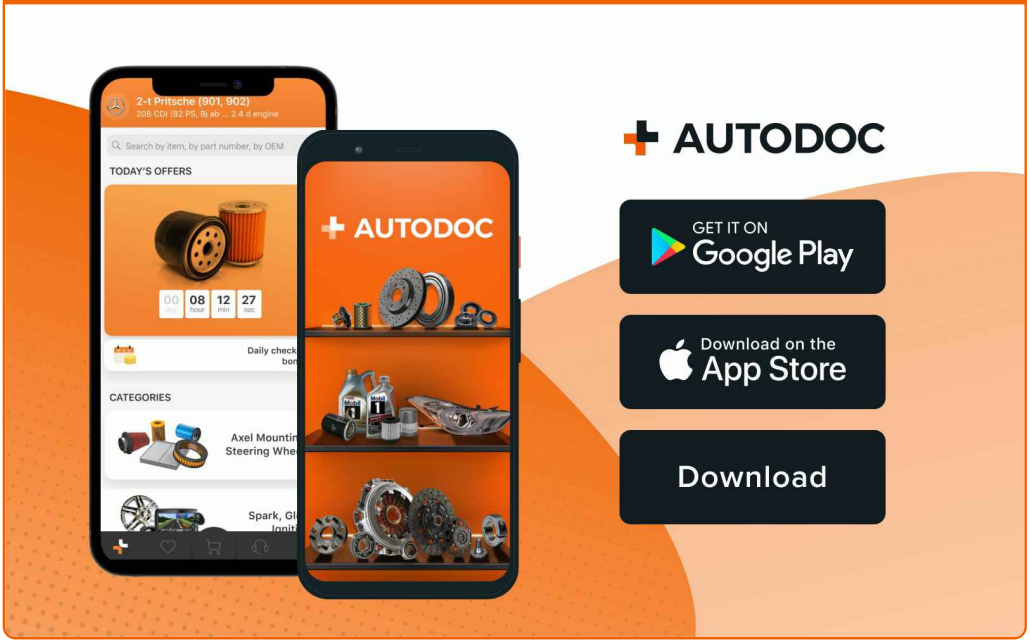


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